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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	SPC 0418 N2
First Inventor	Philip L. Detweiler
Title	VERSATILE TRANSMITTER AND RECEIVER FOR POSITION MEASUREMENT
Express Mail Label No.	EV176076695US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 40]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 12]
5. Oath or Declaration [Total Sheets 11]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.: 10/302,081

Prior application information:

Examiner Stephen C. Buczinski Art Unit: 3662

For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS
 Customer Number or Bar Code Label  OR Correspondence address below

(Insert Customer Number or Bar Code Label here)

Name	23368		
Address	PATENT TRADEMARK OFFICE		
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	Thomas B. Lees	Registration No. (Attorney/Agent)	46,867
Signature		Date	July 15, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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FEE TRANSMITTAL

for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,344.00)

Complete if Known

Application Number:	
Filing Date	July 15, 2003
First Named Inventor	Philip L. Detweiler
Examiner Name	
Art Unit	
Attorney Docket No.	SPC 0418 N2

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number	
Deposit Account Name	

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee
 to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
	1001	750	2001 Utility filing fee	750.00
	1002	330	2002 Design filing fee	
	1003	520	2003 Plant filing fee	
	1004	750	2004 Reissue filing fee	
	1005	160	2005 Provisional filing fee	
	SUBTOTAL (1) (\$)			750.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	25	-20** = 5 x 18	= 90.00
Independent Claims	9	-3** = 6 x 84	= 504.00
Multiple Dependent			

Large Entity	Fee Code (\$)	Small Entity	Fee Code (\$)	Fee Description
	1202	18	2202	9 Claims in excess of 20
	1201	84	2201	42 Independent claims in excess of 3
	1203	280	2203	140 Multiple dependent claim, if not paid
	1204	84	2204	42 ** Reissue independent claims over original patent
	1205	18	2205	9 ** Reissue claims in excess of 20 and over original patent
	SUBTOTAL (2) (\$)			594.00

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity	Fee Code (\$)	Small Entity	Fee Code (\$)	Fee Description	Fee Paid
	1051	130	2051	65 Surcharge - late filing fee or oath	
	1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet	
	1053	130	1053	130 Non-English specification	
	1812	2,520	1812	2,520 For filing a request for ex parte reexamination	
	1804	920*	1804	920* Requesting publication of SIR prior to Examiner action	
	1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action	
	1251	110	2251	55 Extension for reply within first month	
	1252	410	2252	205 Extension for reply within second month	
	1253	930	2253	465 Extension for reply within third month	
	1254	1,450	2254	725 Extension for reply within fourth month	
	1255	1,970	2255	985 Extension for reply within fifth month	
	1401	320	2401	160 Notice of Appeal	
	1402	320	2402	160 Filing a brief in support of an appeal	
	1403	280	2403	140 Request for oral hearing	
	1451	1,510	1451	1,510 Petition to institute a public use proceeding	
	1452	110	2452	55 Petition to revive - unavoidable	
	1453	1,300	2453	650 Petition to revive - unintentional	
	1501	1,300	2501	650 Utility issue fee (or reissue)	
	1502	470	2502	235 Design issue fee	
	1503	630	2503	315 Plant issue fee	
	1460	130	1460	130 Petitions to the Commissioner	
	1807	50	1807	50 Processing fee under 37 CFR 1.17(q)	
	1806	180	1806	180 Submission of Information Disclosure Stmt	
	8021	40	8021	40 Recording each patent assignment per property (times number of properties)	
	1809	750	2809	375 Filing a submission after final rejection (37 CFR 1.129(a))	
	1810	750	2810	375 For each additional invention to be examined (37 CFR 1.129(b))	
	1801	750	2801	375 Request for Continued Examination (RCE)	
	1802	900	1802	900 Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Thomas E. Jones	Registration No. (Attorney/Agent)	46,867	Telephone	937-223-2050
Signature	TMJ	000		Date	July 15, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Applicants : Detweiler et al.

Title : VERSATILE TRANSMITTER AND RECEIVER FOR
POSITION MEASUREMENT

Docket No. : SPC 0418 N2

MAIL STOP PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

"Express Mail" Mailing Label Number

EV176076695US

Date of Deposit July 15, 2003

I hereby certify that this paper or fee is being deposited with the
United States Postal Service "Express Mail Post Office to Addressee"
service under 37 CFR 1.10 on the date indicated above and is
addressed to the MAIL STOP PATENT APPLICATION,
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-
1450.



Melody J. Tolliver
Legal Secretary

TEL/kec